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| 4        | 2    | 5937377.pn.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/23 06:39 |
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| 24       | 0    | ((704/.ccls. and noise and gain with (calculat\$8 adjust\$4 comput\$8) same class\$8)) and (@ad @pd @prad)<=20000830) and gain with adjust\$4 with class\$8   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/23 06:43 |

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| 13 | 76 | db adj domain  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/23 06:45 |
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| 19 | 32 | 704/.ccls. and noise and gain with (calculat\$8 comput\$8) same class\$8   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/23 06:45 |
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| 25 | 1  | ((704/.ccls. and noise and gain with (calculat\$8 adjust\$4 comput\$8) same class\$8)) and (@ad @pd @prad)<=20000830) and gain with adjust\$4 with (class\$8 voi\$4e unvoic\$4)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/23 06:45 |
| 27 | 1  | ((704/.ccls. and noise and gain with (calculat\$8 adjust\$4 comput\$8) same class\$8)) and (@ad @pd @prad)<=20000830) and gain with adjust\$4 with ((class\$8 voi\$4e unvoic\$4) and (frequency pitch))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/23 06:45 |
| 28 | 5  | ((704/.ccls. and noise and gain with (calculat\$8 adjust\$4 comput\$8) same class\$8)) and (@ad @pd @prad)<=20000830) and gain with adjust\$4 with ( frequency pitch)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/23 06:45 |

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| 37 | 6  | ((US-4704730-\$ or US-6523003-\$ or US-5812970-\$ or US-4628529-\$ or US-5937377-\$ or US-4532648-\$).did.  | USPAT   | 2004/03/23 07:12 |
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| 42 | 6  | ((US-4704730-\$ or US-6523003-\$ or US-5812970-\$ or US-4628529-\$ or US-5937377-\$ or US-4532648-\$).did.) and (speech with (detect\$4 cod\$4))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/23 07:19 |
| 45 | 6  | ((US-4704730-\$ or US-6523003-\$ or US-5812970-\$ or US-4628529-\$ or US-5937377-\$ or US-4532648-\$).did.) and (speech with (detect\$4 cod\$4 encod\$4 CELP))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/23 07:24 |
| 46 | 6  | ((US-4704730-\$ or US-6523003-\$ or US-5812970-\$ or US-4628529-\$ or US-5937377-\$ or US-4532648-\$).did.) and (speech with (detect\$4 cod\$4 encod\$4 CELP determin\$6))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/23 07:25 |
| 47 | 61 | ((("5806025" "5937377" "5325318" "5588053" "5963899" "6088668" "6317709" "6411927" "5012519" "6097820" "5528723" "5752226" "6032114" "5668927" "5771486" "5796818" "5812970" "5952957" "5974373" "5991718" "5644634" "5687243" "5694466" "5809133" "6188982" "6262943" "6415253" "6523003" "6529868" "6591234" "6671667" "4630305" "4628529" "4811404" "4768203" "5544250" "5666429" "5511081" "5546459" "5659622" "5687191" "6122384" "6230122" "4250470" "4513426" "5289501" "5483557" "5794199" "5809453" "5978760").pn.<br>) 09/651.476) and (@ad @pd @prad)<=20000830) and (speech with (detect\$4 cod\$4 encod\$4 CELP determin\$6))                                | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/23 07:47 |
| 48 | 14 | ((("5806025" "5937377" "5325318" "5588053" "5963899" "6088668" "6317709" "6411927" "5012519" "6097820" "5528723" "5752226" "6032114" "5668927" "5771486" "5796818" "5812970" "5952957" "5974373" "5991718" "5644634" "5687243" "5694466" "5809133" "6188982" "6262943" "6415253" "6523003" "6529868" "6591234" "6671667" "4630305" "4628529" "4811404" "4768203" "5544250" "5666429" "5511081" "5546459" "5659622" "5687191" "6122384" "6230122" "4250470" "4513426" "5289501" "5483557" "5794199" "5809453" "5978760").pn.<br>) 09/651.476) and (@ad @pd @prad)<=20000830) and (speech with (cod\$4 encod\$4 CELP) with (detect\$4 determin\$6))                         | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/23 07:27 |
| 49 | 14 | ((("5806025" "5937377" "5325318" "5588053" "5963899" "6088668" "6317709" "6411927" "5012519" "6097820" "5528723" "5752226" "6032114" "5668927" "5771486" "5796818" "5812970" "5952957" "5974373" "5991718" "5644634" "5687243" "5694466" "5809133" "6188982" "6262943" "6415253" "6523003" "6529868" "6591234" "6671667" "4630305" "4628529" "4811404" "4768203" "5544250" "5666429" "5511081" "5546459" "5659622" "5687191" "6122384" "6230122" "4250470" "4513426" "5289501" "5483557" "5794199" "5809453" "5978760").pn.<br>) 09/651.476) and (@ad @pd @prad)<=20000830) and (speech with (cod\$4 encod\$4 CELP) with (detect\$4 classif\$8 determin\$6))              | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/23 07:39 |
| 50 | 17 | ((("5806025" "5937377" "5325318" "5588053" "5963899" "6088668" "6317709" "6411927" "5012519" "6097820" "5528723" "5752226" "6032114" "5668927" "5771486" "5796818" "5812970" "5952957" "5974373" "5991718" "5644634" "5687243" "5694466" "5809133" "6188982" "6262943" "6415253" "6523003" "6529868" "6591234" "6671667" "4630305" "4628529" "4811404" "4768203" "5544250" "5666429" "5511081" "5546459" "5659622" "5687191" "6122384" "6230122" "4250470" "4513426" "5289501" "5483557" "5794199" "5809453" "5978760").pn.<br>) 09/651.476) and (@ad @pd @prad)<=20000830) and (speech with (cod\$4 encod\$4 CELP) with (detect\$4 classif\$8 determin\$6 character\$8)) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/23 07:40 |

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| 51 | 3  | ((((("5806025" "5937377" "5325318" "5588053" "5963899" "6088668" "6317709" "6411927" "5012519" "6097820" "5528723" "5752226" "6032114" "5668927" "5771486" "5796818" "5812970" "5952957" "5974373" "5991718" "5644634" "5687243" "5694466" "5809133" "6188982" "6262943" "6415253" "6523003" "6529868" "6591234" "6671667" "4630305" "4628529" "4811404" "4768203" "5544250" "5666429" "5511081" "5546459" "5659622" "5687191" "6122384" "6230122" "4250470" "4513426" "5289501" "5483557" "5794199" "5809453" "5978760").pn.<br>) 09/651,476) and (@ad @pd @prad)<=20000830) and (speech with (cod\$4 encod\$4 CELP) with (detect\$4 classif\$8 determin\$8 character\$8))) not (((("5806025" "5937377" "5325318" "5588053" "5963899" "6088668" "6317709" "6411927" "5012519" "6097820" "5528723" "5752226" "6032114" "5668927" "5771486" "5796818" "5812970" "5952957" "5974373" "5991718" "5644634" "5687243" "5694466" "5809133" "6188982" "6262943" "6415253" "6523003" "6529868" "6591234" "6671667" "4630305" "4628529" "4811404" "4768203" "5544250" "5666429" "5511081" "5546459" "5659622" "5687191" "6122384" "6230122" "4250470" "4513426" "5289501" "5483557" "5794199" "5809453" "5978760").pn.<br>) 09/651,476) and (@ad @pd @prad)<=20000830) and (speech with (cod\$4 encod\$4 CELP) with (detect\$4 classif\$8 determin\$8))) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/23 07:40 |
| 52 | 62 | ((((("5806025" "5937377" "5325318" "5588053" "5963899" "6088668" "6317709" "6411927" "5012519" "6097820" "5528723" "5752226" "6032114" "5668927" "5771486" "5796818" "5812970" "5952957" "5974373" "5991718" "5644634" "5687243" "5694466" "5809133" "6188982" "6262943" "6415253" "6523003" "6529868" "6591234" "6671667" "4630305" "4628529" "4811404" "4768203" "5544250" "5666429" "5511081" "5546459" "5659622" "5687191" "6122384" "6230122" "4250470" "4513426" "5289501" "5483557" "5794199" "5809453" "5978760").pn.<br>) 09/651,476) and (@ad @pd @prad)<=20000830) and ((speech voic\$4) with (parameter detect\$4 cod\$4 encod\$4 CELP determin\$6))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/23 07:48 |
| 53 | 14 | ((((("5806025" "5937377" "5325318" "5588053" "5963899" "6088668" "6317709" "6411927" "5012519" "6097820" "5528723" "5752226" "6032114" "5668927" "5771486" "5796818" "5812970" "5952957" "5974373" "5991718" "5644634" "5687243" "5694466" "5809133" "6188982" "6262943" "6415253" "6523003" "6529868" "6591234" "6671667" "4630305" "4628529" "4811404" "4768203" "5544250" "5666429" "5511081" "5546459" "5659622" "5687191" "6122384" "6230122" "4250470" "4513426" "5289501" "5483557" "5794199" "5809453" "5978760").pn.<br>) 09/651,476) and (@ad @pd @prad)<=20000830) and ((speech voic\$4) with (parameter with ( detect\$4 cod\$4 encod\$4 CELP determin\$6))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/23 07:48 |